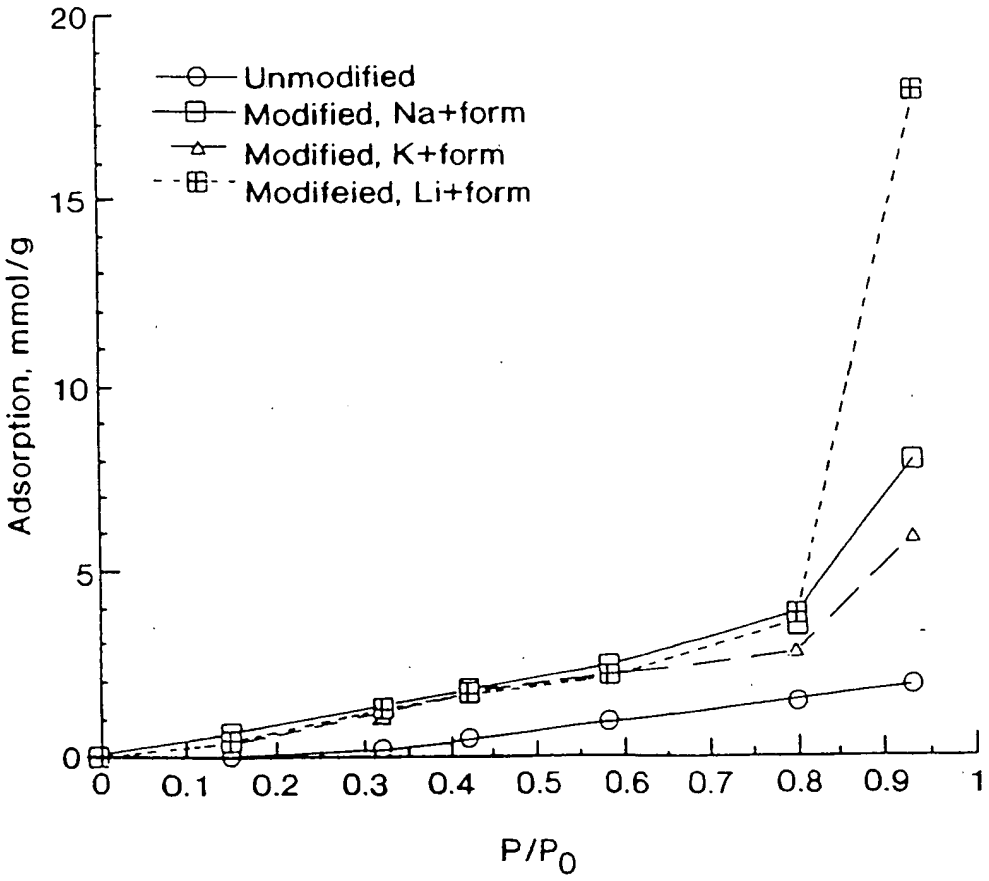

20
15
10
5
0
Adsorption, mmol/g
Unmodified
Modified, Na+form
Modified, K+form
Modifeied, Li+form
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
P/P0

FIG. 1

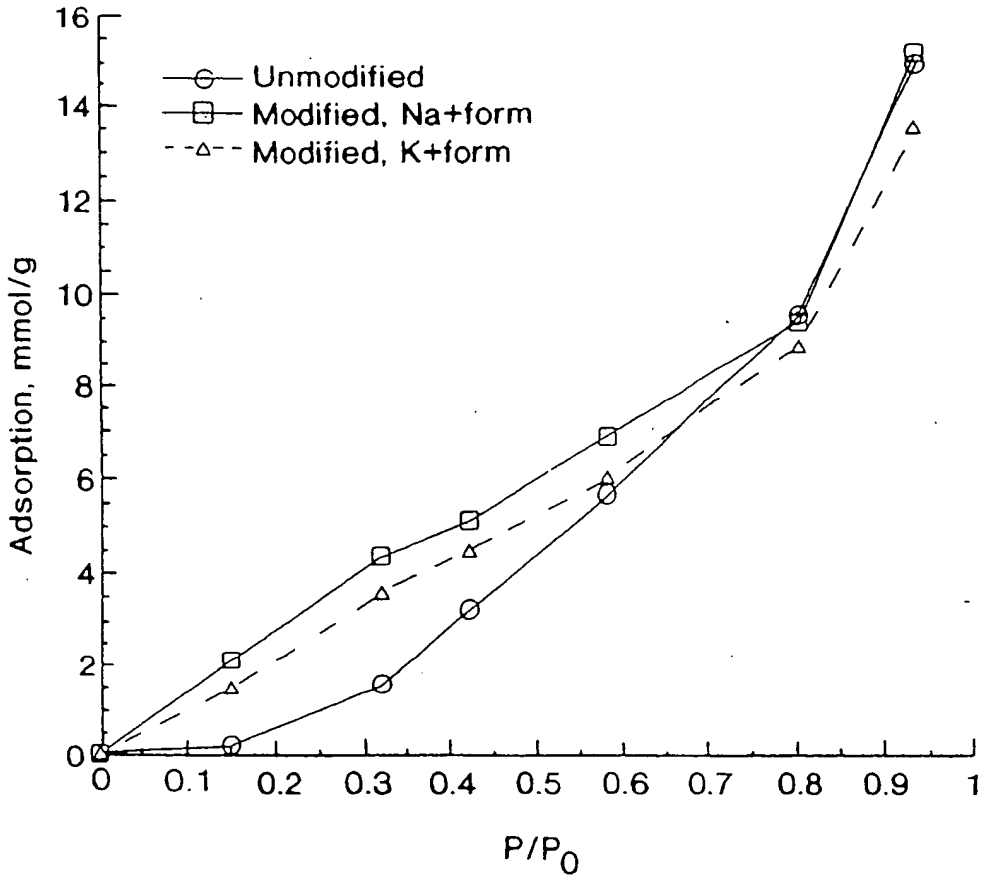

Unmodified
Modified, Na+form
Modified, K+form
Adsorption, mmol/g
P/P0
0
2
4
6
8
10
12
14
16
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1

FIG. 2

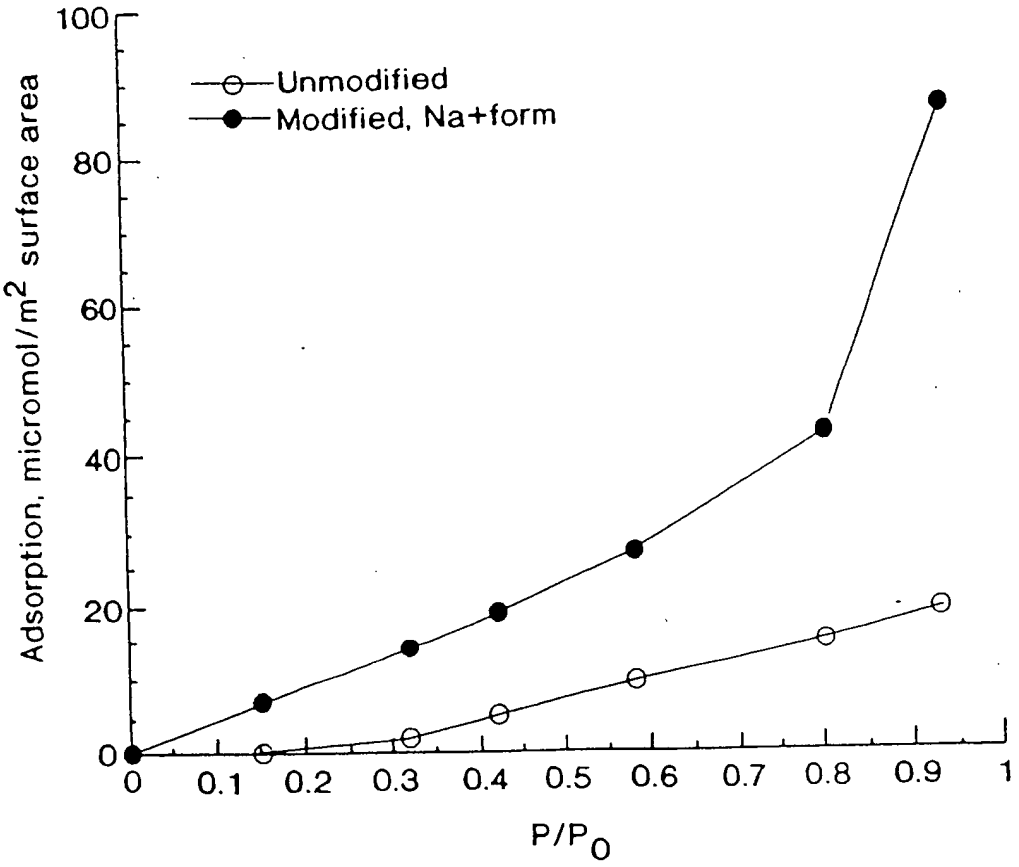

100
80
60
40
20
0
Adsorption, micromol/m2 surface area
Unmodified
Modified, Na+form
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
P/P0

FIG. 3

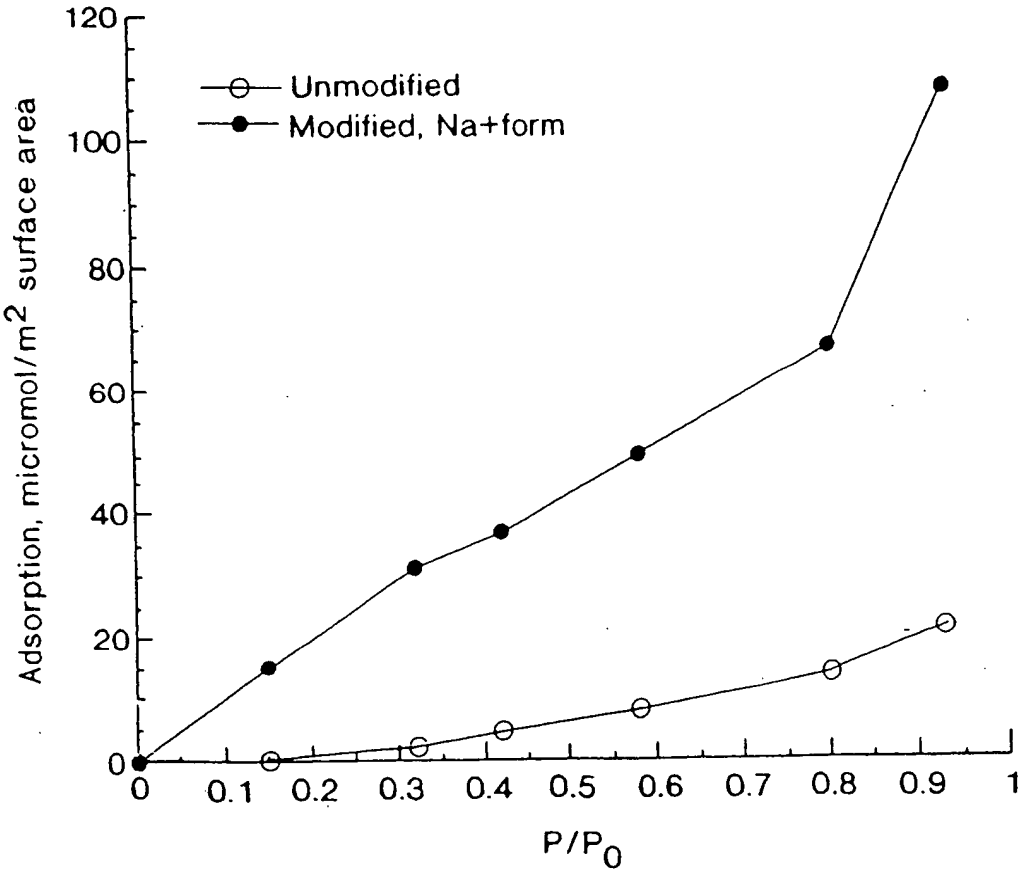

120
100
80
60
40
20
0
Adsorption, micromol/m2 surface area
Unmodified
Modified, Na+form
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
P/P0

FIG. 4

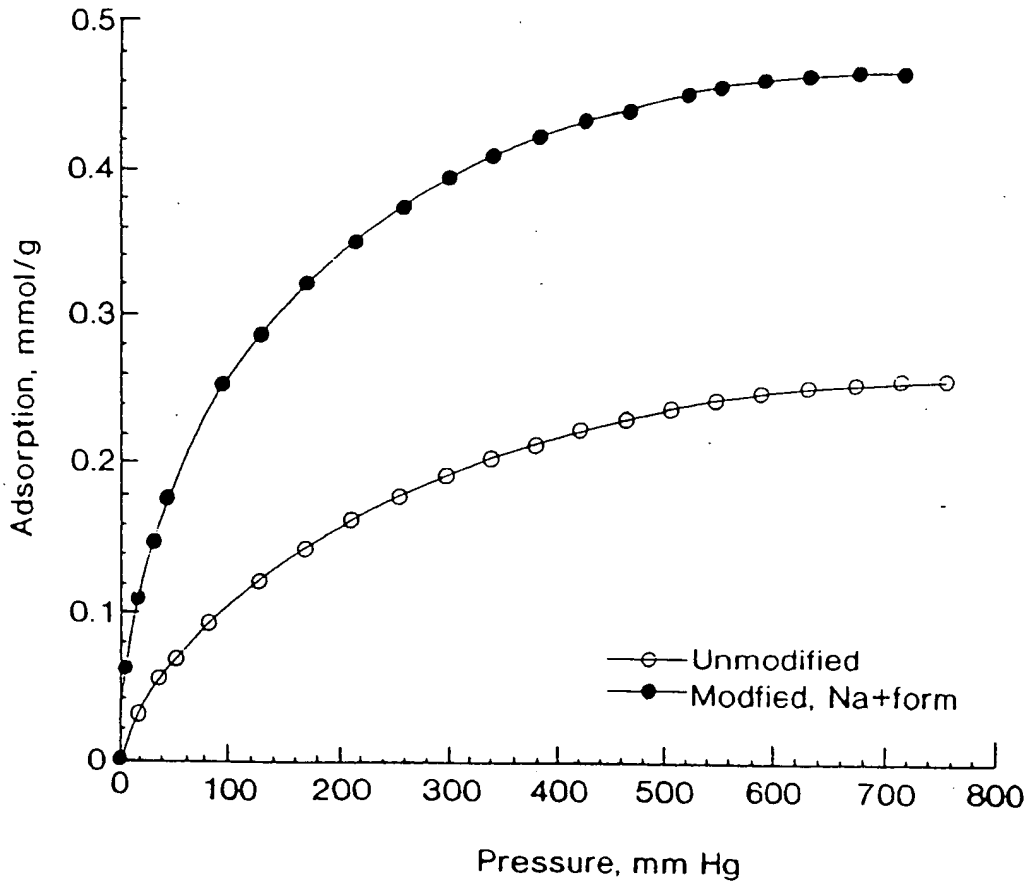

0.5
0.4
0.3
0.2
0.1
0
Adsorption, mmol/g
0
100
200
300
400
500
600
700
800
Pressure, mm Hg
Unmodified
Modfied, Na+form

FIG. 5

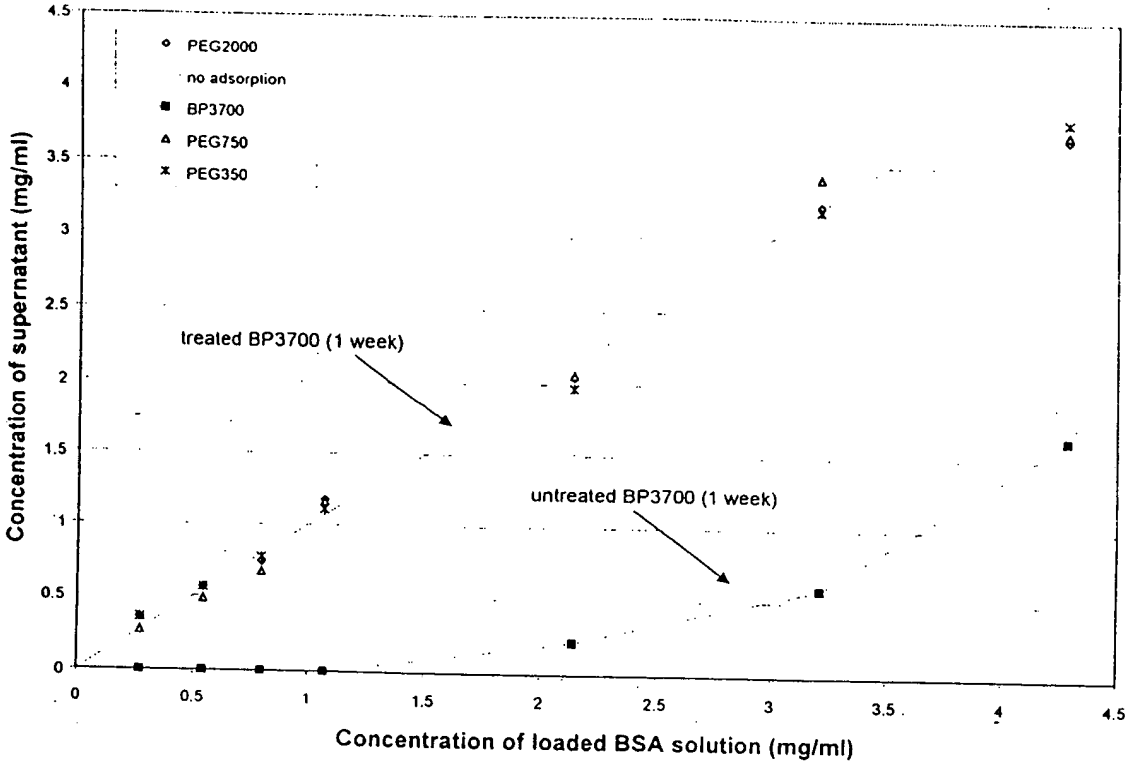
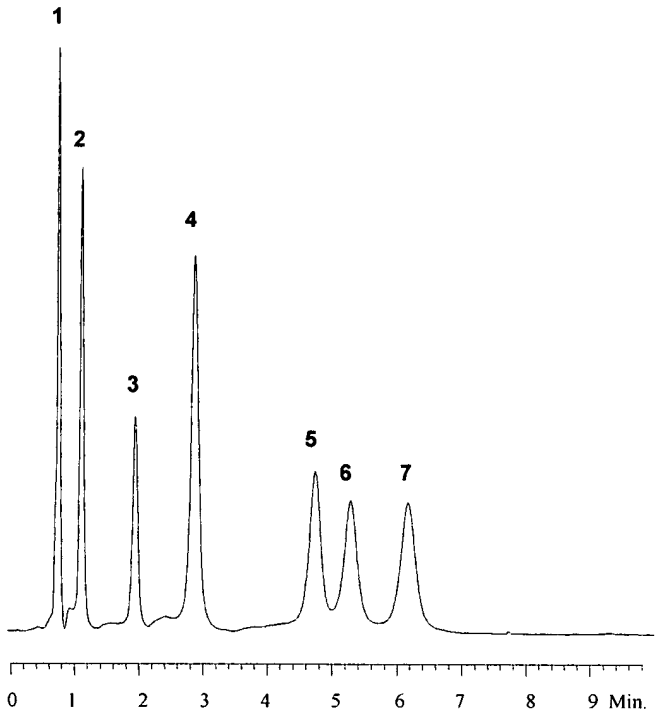

PEG2000
no adsorption
BP3700
PEG750
PEG350
treated BP3700 (1 week)
untreated BP3700 (1 week)
Concentration of supernatant (mg/ml)
Concentration of loaded BSA solution (mg/ml)
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5

FIG. 6

Separation of Barbiturates

Analytes

1 - Acetone
2 - Barbital
3 - Metharbital
4 - Butethal
5 - Hexobarbital
6 - Pentobarbital
7 - Mephobarbital



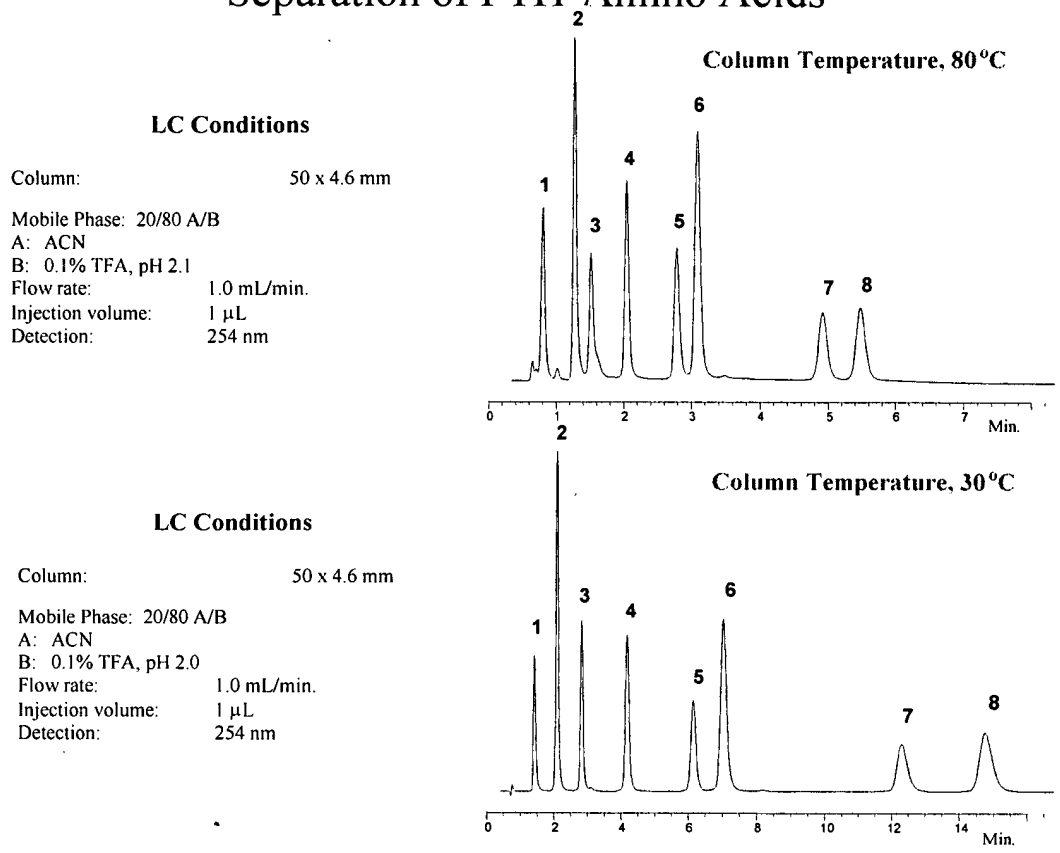
LC Conditions

Column: 50 x 4.6 mm
Mobile Phase: 20/80 A/B
A: ACN
B: 20 mM Ammonium phosphate, pH 7.0
Flow rate: 1.0 mL/min.
Temperature: 30 °C
Injection volume: 5 µL
Detection: 254 nm

Figure 7. **Separation of barbiturates using a 50x4.6 mm HPLC column packed with SP-2.**

Figure 7

Separation of PTH-Amino Acids



Analytes

1	- PTH-Arginine	4	- PTH-Alanine	7	- PTH-Valine
2	- PTH-Serine	5	- PTH-Isoaminobutyric acid	8	- PTH-Norvaline
3	- PTH-Glycine	6	- PTH-Aminobutyric acid		

Figure 8. **Separation of PTH Aminoacids using a 50x4.6 mm HPLC column packed with SP-2.**

Figure 8

Separation of NSAID's

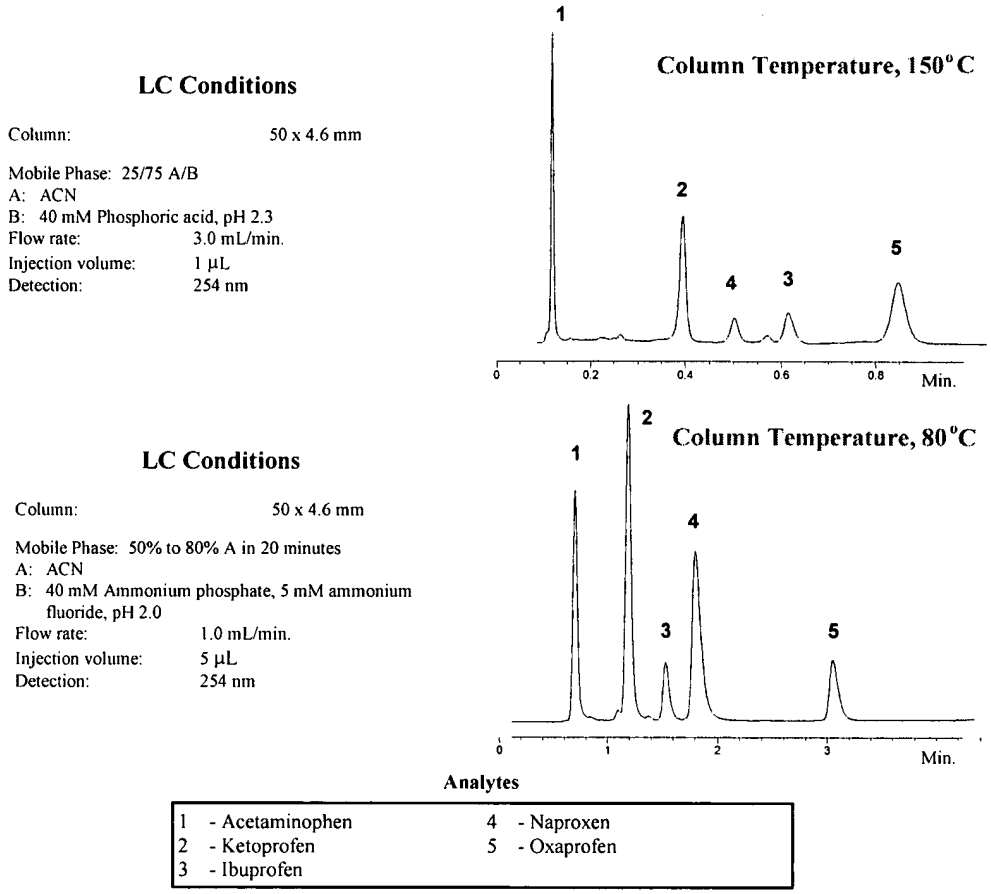


Figure 9. Separation of non steroidal anti-inflammatory drugs using a 50x4.6 mm HPLC column packed with SP-2.

Figure 9

Separation of Ethylbenzene and p-Xylene

LC Conditions

Column: 100 x 4.6 mm

Mobile Phase: 25/25/50 A/B/C
A: ACN
B: THF
C: Water
Flow rate: 1.0 mL/min.
Temperature: 30 °C
Injection volume: 5 µL
Detection: 254 nm

Analytes

1 - Ethylbenzene

2 - p-Xylene

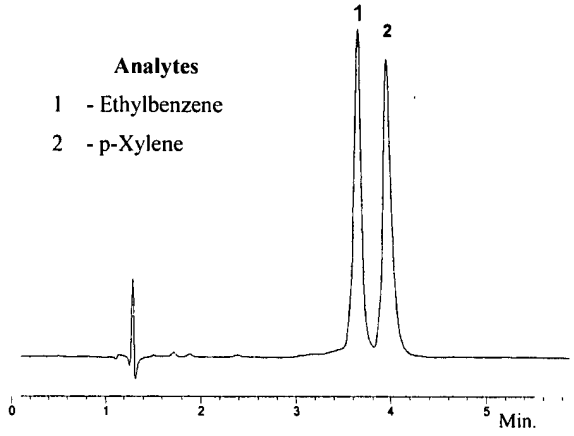
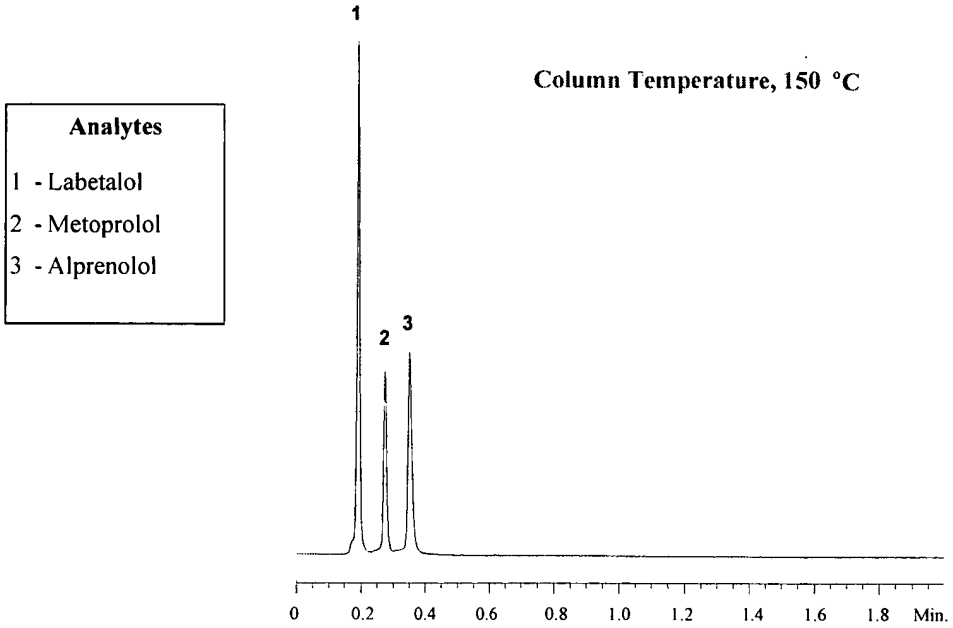


Figure 10. Separation of p-xylene and ethylbenzene using a 100x4.6 mm HPLC column packed with SP-2.

Figure 10

Separation of Beta-Blockers



LC Conditions

Column:	50 x 4.6 mm		
Mobile Phase:	45/55 A/B	Temperature:	150 °C
A:	ACN	Injection volume	1 µL
B:	20 mM Ammonium phosphate, pH 11.0	Detection:	210 nm
Flow rate:	3.0 mL/min.		

Figure 11. Separation of beta-blockers using a 50 x 4.6 mm HPLC column packed with SP-2.

Figure 11